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Truck

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SOURCE

1. The following is a list of the equipment of the laboratory truck for the C-2 (Wasserfall) rocket, assembled and tested at the Elektrobau Sonderhausen:

a. Command room.

1 Sofa, 6 chairs, 1 table, 1 cupboard for bottles and glasses, 1 vacuum cleaner.

The secretary's room contains: 2 tables, 2 chairs, 1 black board, 1 typewriter, 1 calculating machine, 2 slide rules. The service room contains: 1 automatic telephone center for 20 extensions, 1 hand-operated telephone center for 10 extensions, 1 radio receiver Siemens, 1 amplifier 75 W, 1 microphone, 1 record player, 2 transportable loudspeakers about 30 W, 1 transportable siren.

b. Gyro - relay - timing switch testing equipment.

Three different swinging devices for gyros, 1 turning device for gyros, 1 alignment plate (Richtplatte); 2 testing apparatus for measuring of relays current; 2 impulse exciters (Meander type) for 5 and 25 Hz; 2 frequency meters 50 and 100 Hz; 4 different testing apparatus for relay combinations; 1 automatic line tester. One writing apparatus with 12 writing pens for contact testing for time switches; 1 control diagram drum with signal for the same purpose; 1 battery 24 V 60 Ah, 1 rectifier 24 V 30 A, 2 Oemig transformers #160.

c. Testing apparatus for course control motor, amplifiers, rudder machines, transformers.

One braking device for small motors; one testing set for amplifiers consisting of 5 sets for the 5 construction groups; 1 overall testing apparatus; 1 stability testing device with Haussermann pendulum; one testing stand for rudder machines; one testing stand for Oemig transformers type 180 and 600; one battery 24 V 60 Ah; 1 battery 48 V 10 Ah; 1 rectifier 24 V 35 A; 2 Oemig transformers type 180; 1 Oemig transformer type 600.

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d. Equipment for demonstration of the steering apparatus.

One testing table for measurement of all current lines of the steering apparatus; 1 ring for the fastening of the "fordgeraete", 1 model for demonstration of cooperation between rudder machines and gyros; 1 Siemens three - loop oscilloscope; 1 two-ray oscilloscope; 1 rectifier 24 V 30 A; two Oemig transformers type 180; 1 Oemig transformer; 2 batteries 24 and 48 V respectively.

e. Normal - measuring instruments.

One Siemens nine-loop oscilloscope; 1 Siemens three-loop oscilloscope; 1 Siemens "Luftfahrtoscilloscope", 10 two-ray oscilloscopes; 10 AEG writing measuring apparatus; 35 different volt and ampere meters of AEG, Kiesewetter, and Kahnt & Riede make; 4 frequency meters; 3 revolution meters; 5 AEG second meters; 10 stop watches, 10 Rhode & Schwarz tube volt meters; 2 resistance measuring bridges; 10 combination resistance - capacity - self-induction measuring bridges Alpha; 10 AEG tone generators.

f. Radio control.

One radio transmitter about 50 MHz with 20 exchangeable quartz pieces at about 100 KHz variation additional modulation for stick control; double-cross antenna; 1 receiver type "Strassburg"; 2 Nende tone generators, 1 radar transmitter; 2 Rhode & Schwarz radar transmitters; 2 Rhode & Schwarz wave meters; 2 tube voltmeters; 1 two-ray oscilloscope; 1 battery 2x12 V; 1 rectifier 2x12 V 5 A.

g. Supply of current.

One switchboard for 2 generators 50 Hz 200/380 V 15 and 50 KW; 1 rectifier 24 V 120 Ah; 2 transformers 24 V on 36 V 500 Hz 600 W with switchboard; 6 transportable flood lights 1,000 W; several transportable batteries; cables.

h. Testing of valves.

Four compressed air bottles; 20 different manometers between 10 and 400 atmospheres; 4 writing manometers for 400 atmospheres; 8 writing manometers for 40 atmospheres; 1 pressure pump for 1,500 atmospheres; 2 pumps for manometer testing up to 400 atmospheres; 1 membrane tester; 1 battery 24 V 60 Ah; 1 rectifier 24 V 16 A; 1 automobile headlight 40 W.

i. Work shop.

One lathe; 1 milling machine; 1 bench drilling machine; 1 bench lathe; 1 grinding machine; 1 watchmaker lathe; 1 coil winding machine; 3 vices; 1 electrical hardening furnace; 1 drying cabinet; tools; wires; tin plates; screws; rivets.

j. Equipment for testing temperature, humidity, underpressure, acceleration, concussion.

One warmth and cold cabinet, ranging from -60° to +100° C, 1 moist chamber with 98% relative humidity; 1 underpressure chamber; 1 centrifuge of 1.3 m Ø 400 r.p.m.; 1 rocking table, type List; 1 rocking table, type Schenck; 1 battery 24 V 60 Ah; 1 rectifier 24 V 16 A and 220 V 5A.

k. Photo service.

One dark room; enlargers; drying presses; photo apparatus; films; paper; chemicals.

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